

CLAIMS

What Is Claimed:

1. Relaxin like factor comprising an A chain and a B chain.

5 said A chain having the amino acid sequence:
 Gln-Leu-Tyr-Ser-Ala-Leu-Ala-Asn-Lys-Cys-Cys-His-
 Val-Gly-Cys-Thr-Lys-Arg-Ser-Leu-Ala-Arg-Phe-Cys
 or an amino acid sequence truncated by up to about 6
 amino acids from the N-terminus and/or by up to 6
 10 amino acids from the C-terminus;

said B chain having the amino acid sequence:
Asp-Ser-Trp-Met-Glu-Glu-Val-Ile-Lys-Leu-Cys-Gly-
Arg-Glu-Leu-Val-Arg-Ala-Gln-Ile-Ala-Ile-Cys-Gly-
Met-Ser-Thr-Trp-Ser

15 or an amino acid sequence truncated by up to 5 amino acids from the N-terminus and/or by up to 5 amino acids from the C-terminus;

said A and B chains linked by disulfide bonds between A11 and B11 and wherein said relaxin like factor displaces bound relaxin tracer from the receptor to which it is bound.

2. The relaxin like factor of Claim 1 wherein 0
up to about 6 amino acids are deleted from the 5' end
and 0 up to about 6 amino acids are deleted from the
25 3' end of the A-chain.

3. The relaxin like factor of Claim 1 wherein 0 up to about 5 amino acids are deleted from the 5' end and 0 up to about 5 amino acids are deleted from the 3' end of the B-chain.

30 4. A method of treating a mammal for a
condition susceptible to treatment with relaxin,
comprising administering to a mammal in need thereof a
therapeutically effective amount of the relaxin like
factor of Claim 1.

35 5. The method of Claim 3 wherein the disease is
 selected from the group comprising cardiovascular

PATENT